

COOLING SYSTEM FOR COMPUTING DEVICE

Abstract

A cooling system includes a cooling fan, a fan input-output module for transmitting a control signal for controlling the rotational speed of the fan, a clock rate, and an operating voltage, and a chipset interface for generating the fan control signal based on a change in a vital temperature of the computer system. Further provided is a controller for receiving the vital temperature and forwarding the vital temperature to the chipset interface, and a temperature transducer for generating the vital temperature and outputting the vital temperature to the controller. The chipset interface monitors a rotational speed of the cooling fan, and monitors a vital temperature of the computer system. The chipset interface then sets the fan power based on a change in the vital temperature. When the vital temperature decreases, the fan power is reduced to slow the fan, and when the vital temperature increases, the fan power is increased to speed the fan.